DOCKET FILE COPY ORIGINAL

Before the
FEDERAL COMMUNICATIONS COMMISSION

The attached amendment proposes change of channel on the part

Since both applications may ultimately be granted, no considerations involving Section 307(b) of the Communications Act are involved.

The public interest, convenience, and necessity will be served by acceptance and grant of the enclosed application.

Respectfully submitted,

POSITIVE ALTERNATIVE RADIO, INC.

By _____
Julian P. Freret
Its Counsel

BOOTH, FRERET & IMLAY
1233 20th Street, N. W.
Suite 204
Washington, D. C. 20036
(202) 296-9100

June 2, 1993

Federal Communications Commission
Washington, D. C. 20554

FCC 340

Approved by OMB
3060-0034
Expires 11/30/94
See Page 23 for information regarding public burden estimate

APPLICATION FOR CONSTRUCTION PERMIT FOR NONCOMMERCIAL EDUCATIONAL BROADCAST STATION

(Carefully read instructions before filing form) Return only form to FCC

For Commission Use Only
File No.

Section I - GENERAL INFORMATION

SECTION VI – EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

1. Does the applicant propose to employ five or more full-time employees? ☐ Yes ☒ No

   If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC 396-A).

SECTION VII – CERTIFICATION

1. Has or will the applicant comply with the public notice requirements of 47 C.F.R. Section 73.3580? ☒ Yes ☐ No

2. By checking Yes, the applicant certifies that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b). ☒ Yes ☐ No

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. *(See Section 304 of the Communications Act of 1934, as amended.)*

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.65, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Name of Applicant	Title
POSITIVE ALTERNATIVE RADIO, INC.	Director
Signature: Vernon H. Baker	Date: May 26, 1993

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The Commission will use the information provided in this form to determine whether grant of this application is in the public interest. In reaching that determination, or for law enforcement purposes, it may be necessary to refer personal information contained in this form to another government agency. In addition, all information provided in this form will be available for public inspection. If information requested on the form is not provided, processing of the application may be delayed or the application may be returned without action pursuant to the Commission's rules. Your response is required to obtain the requested authority.

Public reporting burden for this collection of information is estimated to vary from 78 to 302 hours 20 minutes with an average of 171 hours 36 minutes per response. These estimates includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Information Resources Branch, Room 416, Paperwork Reduction Project, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0034), Washington, D.C. 20503.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

PETER V. GURECKIS & ASSOCIATES

ENGINEERING EXHIBIT EE-6

POSITIVE ALTERNATIVE RADIO, INC.
ASHEBORO, NORTH CAROLINA

MAY, 1993

ENGINEERING AMENDMENT IN SUPPORT OF AN APPLICATION
FOR A NON-COMMERCIAL FM BROADCAST STATION

POSITIVE ALTERNATIVE RADIO, INC.
ASHEBORO, NORTH CAROLINA

TABLE OF CONTENTS

I, PETER V. GURECKIS, certify that I am a Consulting Radio Engineer, that my qualifications are known to the Federal Communications Commission and that my firm has been retained by POSITIVE ALTERNATIVE RADIO, INC., Asheboro, North Carolina, to prepare this statement.

I further state that the calculations and exhibits contained herein were prepared by me personally or under my direction and that all facts contained therein are true of my knowledge except where stated to be on information or belief, and as to those facts, I believe them to be true.

PETER V. GURECKIS
PETER V. GURECKIS & ASSOCIATES

DATE: MAY 25, 1993

ENGINEERING STATEMENT

POSITIVE ALTERNATIVE RADIO, INC.
ASHEBORO, NORTH CAROLINA

This Engineering Amendment has been prepared on behalf of POSITIVE ALTERNATIVE RADIO, INC., who now has on file an application requesting a non-commercial FM broadcast station to operate on Channel 207A with an effective radiated power of 2.5 KW at Asheboro, North Carolina (File No. BPED-911119MC).

The purpose of this amendment is to change channel from 207 to 208 in order to remove the overlap with the application of Triad Family Network, Inc. (Triad) proposal for Channel 207 at Winston-Salem, North Carolina.

With the proposed channel change to 208 and a new antenna site, the application of Positive Alternative Radio, Inc. (Positive) does not overlap the 60 dbu protected contour of Triad with its proposed 54 dbu contour. Also, Triad's 54 dbu contour does not overlap Positive's 60 dbu contour. Thus, both applications are no longer mutually exclusive with each other.

A new antenna site was selected for Positive to comply with the minimum distance separations on Channel 208 and the three upper and lower adjacent channels.

Attached as Figure 1 is a channel study of Channel 208A. It shows the required protections to the co-channel and adjacent channel stations.

In order to protect stations WCPE (application to increase HAAT), and the proposed Channel 207 at Winston-Salem, a directional antenna is proposed.

ENGINEERING STATEMENT
POSITIVE ALTERNATIVE RADIO, INC. - ASHEBORO, NORTH CAROLINA
CONTINUED - PAGE 2

Figure 3 is a plot of the proposed composite horizontal directional relative field pattern. The proposed directional antenna will be side mounted on an existing tower as shown on Figure 10.

The antenna manufacturer will be provided with the required mounting specifications for the tower structure and the location of other antennas in the vicinity, which may have an impact on the measured directional antenna. The measured pattern will be within the limits of the proposed composite pattern.

A licensed surveyor will be employed to check the FM antenna orientation which will be filed in the 302 application.

Objectional intermodulation interference is not expected to result from the proposed operation to any stations. There are no FM or TV facilities located within 60 meters of the proposed site. Further, the applicant will accept full responsibility to resolve any complaints within its blanket contour.

Figures 6 and 8 is the allocation study to Station WCPE which has an application to increase its HAAT. It will be noted that no overlap results to Station WCPE.

Figures 7 and 9 is the allocation study to the proposed Channel 207C3 at Winston-Salem. There is sufficient separation of the proposed Winston-Salem 60 dbu contour and the proposed 54 dbu contour so that no overlap occurs between two applicants.

Attached are Figures 1 through 11 and Section V-B of F.C.C. Form 340.

Section V-B - FM BROADCAST ENGINEERING DATA	FOR COMMISSION USE ONLY File No. _____ ASB Referral Date _____ Referred by _____

Name of Applicant

POSITIVE ALTERNATIVE RADIO, INC.

Call letters *(if issued)*	Is this application being filed in response to a window? ☐ Yes ☒ No If Yes, specify closing date: _____

Purpose of Application: *(check appropriate box(es))*

- ☒ Construct a new (main) facility
- ☐ Construct a new auxiliary facility
- ☐ Modify existing construction permit for main facility
- ☐ Modify existing construction permit for auxiliary facility
- ☐ Modify licensed main facility
- ☐ Modify licensed auxiliary facility

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

- ☒ Antenna supporting-structure height
- ☒ Effective radiated power
- ☒ Antenna height above average terrain
- ☒ Frequency
- ☒ Antenna location
- ☐ Class
- ☐ Main Studio location
- ☐ Other *(Summarize briefly)*

File Number(s) AMENDMENT TO APPLICATION

1. Allocation:

Channel No.	Principal community to be served:		
	City	County	State
208	ASHEBORO	RANDOLPH	NC

Class *(check only one box below)*

☒ A ☐ B1 ☐ B ☐ C3
☐ C2 ☐ C1 ☐ C ☐ D

2. Exact location of antenna.

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark.
Cedar Rock Mountain, Approximately 12 km Southwest of Asheboro.

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array. Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude	°	'	"	Longitude	°	'	"
	35	36	55		79	53	28

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)? ☒ Yes ☐ No

If Yes, give call letter(s) or file number(s) or both: K1053-153.53 MHz

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any.

N/A

SECTION V-B – FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates? ☐ Yes ☒ No
If Yes, list old coordinates.

Latitude ° ' "	Longitude ° ' "

5. Has the FAA been notified of the proposed construction? ☐ Yes ☒ No
If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available. Existing Tower of Station KI053

Exhibit No. N/A

Date _____ Office where filed _____

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

	Landing Area	Distance (km)	Bearing (degrees True)
(a)	N/A		
(b)			

7. (a) Elevation: *(to the nearest meter)*

(1) of site above mean sea level; 296 meters

(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 108 meters

(3) of the top of supporting structure above mean sea level [(aX1) + (aX2)] 404 meters

(b) Height of radiation center: *(to the nearest meter)* H = Horizontal; V = Vertical

(1) above ground 37 meters (H)

37 meters (V)

(2) above mean sea level [(aX1) + (bX1)] 333 meters (H)

333 meters (V)

(3) above average terrain 130 meters (H)

130 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(bX3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No. EE-3

9. Effective Radiated Power:
(a) ERP in the horizontal plane 3.5 kw (H*) 3.5 kw (V*)

(b) Is beam tilt proposed? ☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field. N/A kw (H*) N/A kw (V*)

Exhibit No. N/A

*Polarization

10. Is a directional antenna proposed? [X] Yes [ ] No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of horizontally and vertically polarized radiated components in terms of relative field. Exhibit No. EE-6

11. Will the main studio be located within the 70 dBu or 3.16 mV/m contour? [X] Yes [ ] No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125. Exhibit No. N/A

12. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast *(except citizens band or amateur)* radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference? [X] Yes [ ] No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. *(See 47 C.F.R. Sections 73.315(b), 73.316(d) and 73.318.)* Exhibit No. EE-6

13. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction D for Section V. Further, the map must clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers. Exhibit No. EE-6

14. Attach as an Exhibit *(name the source)* a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers: Exhibit No. EE-6

(a) the proposed transmitter location, and the radials along with profile graphs have been prepared;

(b) the 1 mV/m predicted contour and, for noncommercial educational applicants applying on a commercial channel, the 3.16 mV/m contour; and

(c) the legal boundaries of the principal community to be served.

15. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 2,200 sq. km. Population 91,303 (1990 Census)

16. Attach as an Exhibit a map *(Sectional Aeronautical charts where obtainable)* showing the present and proposed 1 mV/m (60 dbu) contours. Exhibit No. N/A

Enter the following from Exhibit above: Gain Area N/A sq. mi.
Loss Area N/A sq. mi.

Percent change (gain area plus loss area as percentage of present area) _____ %.
If 50% or more this constitutes a major change. Indicate in question 2(c), Section I, accordingly.

17. For an application involving an auxiliary facility only, attach as an Exhibit a map *(Sectional Aeronautical Chart or equivalent)* that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. N/A

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license. See 47 C.F.R. Section 73.1675. (File No.: _____)

18. Terrain and coverage data *(to be calculated in accordance with 47 C.F.R. Section 73.313).*

Source of terrain data: *(check only one box below)*

[X] Linearly interpolated 30-second database [ ] 7.5 minute topographic map

(Source: NGDC)

[ ] Other *(briefly summarize)*

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances to the 1 mV/m contour (kilometers)
0	143	29.3
45	92	18.8
90	113	17.6
135	109	26.1
180	90	23.9
225	166	31.5
270	164	31.3
315	162	31.0

Allocation Studies

(See Subpart C of 47 C.F.R. Part 73)

19. Is the proposed antenna location within 320 kilometers (199 miles) of the common border between the United States and Mexico? [ ] Yes [X] No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Agreement between the United States of America and the United Mexican States concerning Frequency Modulation Broadcasting in the 88 to 108 MHz band.

Exhibit No. N/A

20. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada? ☐ Yes ☒ No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201-300 under The Canada-United States FM Agreement of 1947. Exhibit No. N/A

21. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as an Exhibit a complete allocation study to establish the lack of prohibited overlap of contours with other U.S. stations. The allocation study should include the following: Exhibit No. EE-6

(a) The normally protected interference-free and the interfering contours for the proposed operation along all azimuths.
(b) Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused.
(c) Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received.
(d) Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference.
(e) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities.
(f) When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof.
(g) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire Exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
(h) The name of the map(s) used in the Exhibit(s).

22. With regard to any stations separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as an Exhibit information required in 1/ *(separation requirements involving intermediate frequency (i.f.) interference).* Exhibit No. EE-6

23.(a) Is the proposed operation on Channel 218, 219, or 220? ☐ Yes ☒ No

(b) If the answer to (a) is yes, does the proposed operation satisfy the requirements of 47 C.F.R. Section 73.207? ☐ Yes ☐ No

(c) If the answer to (b) is yes, attach as an Exhibit information required in 1/ regarding separation requirements with respect to stations on Channels 221, 222 and 223. Exhibit No. N/A

(d) If the answer to (b) is no, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose. Exhibit No. N/A

1/ A showing that the proposed operation meets the minimum distance separation requirements. Include existing stations, proposed stations, and cities which appear in the Table of Allotments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

SECTION V-B – FM BROADCAST ENGINEERING DATA (Page 6)

(e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

Exhibit No. N/A

(1) Protected and interfering contours, in all directions (360), for the proposed operation.
(2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as transmitter location.
(3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
(4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
(5) The official title(s) of the map(s) used in the exhibits(s).

24. Is the proposed station for a channel in the range from Channel 201 to 220 (88.1 through 91.9 MHz) and the proposed antenna location within the distance to an affected TV Channel 6 station(s) as defined in 47 C.F.R. Section 73.525?

☐ Yes ☒ No

If Yes, attach as an Exhibit either a TV Channel 6 agreement letter dated and signed by both parties or a map and an engineering statement with calculations demonstrating compliance with 47 C.F.R. Section 73.525 for each affected TV Channel 6 station.

Exhibit No. N/A

25. Is the proposed station for a channel in the range from Channel 221 to 300 (92.1-107.9 MHz)?

☐ Yes ☒ No

If Yes, attach as an Exhibit information required in 1/. *(Except for Class D (secondary) proposals.)*

Exhibit No. N/A

26. Environmental Statement *(See 47 C.F.R. Section 1.1301 et seq.)*

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact? Existing Tower

☐ Yes ☒ No

If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

Exhibit No. N/A

If No, explain briefly why not. See Figure 11 for RF Statement

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name *(Typed or Printed)*	Relationship to Applicant *(e.g., Consulting Engineer)*
PETER V. GURECKIS	CONSULTING ENGINEER
Signature 	Address *(Include ZIP Code)* 10410 WINDSOR VIEW DRIVE POTOMAC, MARYLAND 20854-4024
Date MAY 24, 1993	Telephone No. *(Include Area Code)* (301) 299-5383

FIGURE 1

35 36 55 N.
79 53 28 W.

Class A
Current rules spacings
Channel 208 - 89.5 MHz

Search Date
05-24-93

Call	Ch#	City	State	Bear'	Dist'	R'qrd	Margin
AP207	207A	Asheboro	NC	17.3	17.27	72.0	-54.73 *
WCPE.A	209C	Raleigh	NC	74.2	132.66	165.0	-32.34 *
>AP207	207C3	Winston-Salem	NC	329.7	63.46	89.0	-25.54 *
WSOE	207A	Elon College	NC	32.5	64.69	72.0	-7.31 *
WETS	208C	Johnson City	TN	294.2	221.76	226.0	-4.24 *
>WCPE.C	209C1	Raleigh	NC	74.2	132.66	133.0	-0.34 *
>WCPE	209C2	Raleigh	NC	77.2	115.71	106.0	9.71 *
WWWB	262C	High Point	NC	8.7	39.72	29.0	10.72
WXYC	207A	Chapel Hill	NC	67.2	82.78	72.0	10.78
WNAA	211C3	Greensboro	NC	12.0	53.03	42.0	11.03

RCES

ELEAZER QUADRANGLE
NORTH CAROLINA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 ASHEBORO 15' QUADRANGLE

5055 III NE (ASHEBORO)

598 55' 1 730 000 FEET 599 600 601 79°52'30"
35°37'30"

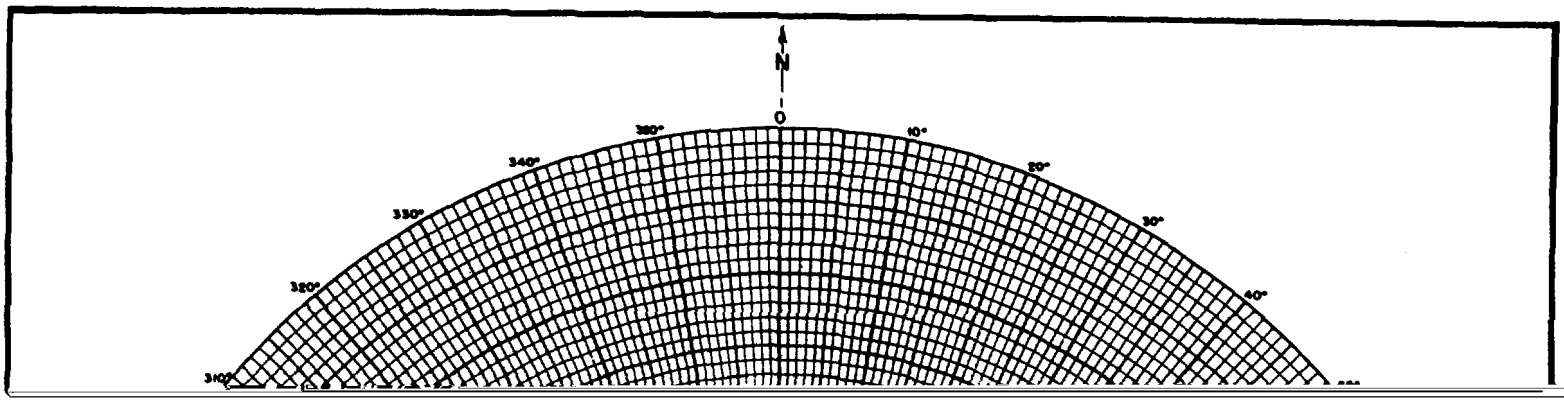

N
0
10°
20°
30°
40°
310°
320°
330°
340°
350°

FIGURE 4

POSITIVE ALTERNATIVE RADIO, INC.
ASHEBORO, NORTH CAROLINA

TABULATION OF RELATIVE FIELDS, HAAT, POWER
AND DISTANCE TO PROPOSED CONTOURS

35 36 55 - PROPOSED
79 53 28 - ASHEBORO, N.C.

ERP = 3.5 kW, 5.441 dBk FM ~ 2-6 Tables

Radial	HAAT	kW	dBk	Field	60 dBu.5	54 dBu.1	40 dBu.1
0 Degs.	142.9M	3.499	5.439	1.000	29.3	44.5	85.2
10 Degs.	136.4M	3.499	5.439	1.000	28.7	43.6	84.2
20 Degs.	112.7M	3.499	5.439	1.000	26.5	40.4	80.5
30 Degs.	89.1M	2.512	4.000	0.847	22.0	32.7	71.1
40 Degs.	86.7M	1.585	2.000	0.673	19.4	28.4	63.7
50 Degs.	101.4M	1.000	-0.000	0.535	18.7	27.6	60.5
60 Degs.	117.5M	0.631	-2.000	0.425	18.0	26.5	57.7
70 Degs.	125.4M	0.398	-4.000	0.337	16.3	24.4	53.6
80 Degs.	116.7M	0.398	-4.000	0.337	15.7	23.6	52.4
90 Degs.	113.4M	0.631	-2.000	0.425	17.6	26.1	57.1
100 Degs.	107.0M	1.000	-0.000	0.535	19.3	28.4	61.5
110 Degs.	105.2M	1.585	2.000	0.673	21.4	31.7	67.5
120 Degs.	101.7M	2.512	4.000	0.847	23.5	35.3	73.5
130 Degs.	105.1M	3.499	5.439	1.000	25.7	39.1	79.2
140 Degs.	112.6M	3.499	5.439	1.000	26.5	40.4	80.5
150 Degs.	108.5M	3.499	5.439	1.000	26.0	39.7	79.8
160 Degs.	103.7M	3.499	5.439	1.000	25.5	38.8	78.9
170 Degs.	100.5M	3.499	5.439	1.000	25.1	38.2	78.4
180 Degs.	90.1M	3.499	5.439	1.000	23.9	36.1	76.4
190 Degs.	94.5M	3.499	5.439	1.000	24.4	37.0	77.3
200 Degs.	91.5M	3.499	5.439	1.000	24.0	36.4	76.7
210 Degs.	110.1M	3.499	5.439	1.000	26.2	40.0	80.0
220 Degs.	149.4M	3.499	5.439	1.000	29.9	45.3	86.1
230 Degs.	161.3M	3.499	5.439	1.000	31.0	46.8	87.7
240 Degs.	148.1M	3.499	5.439	1.000	29.7	45.1	85.9
250 Degs.	140.4M	3.499	5.439	1.000	29.0	44.2	84.8
260 Degs.	147.2M	3.499	5.439	1.000	29.7	45.0	85.8

FIGURE 4-A

POSITIVE ALTERNATIVE RADIO, INC.
ASHEBORO, NORTH CAROLINA

TABULATION OF RELATIVE FIELDS, HAAT, POWER
AND DISTANCE TO PROPOSED CONTOURS

270 Degs.	164.3M	3.499	5.439	1.000	31.3	47.1	88.2
280 Degs.	159.5M	3.499	5.439	1.000	30.8	46.5	87.5
290 Degs.	166.9M	3.499	5.439	1.000	31.5	47.5	88.5
300 Degs.	161.6M	3.499	5.439	1.000	31.0	46.8	87.8
310 Degs.	163.4M	3.499	5.439	1.000	31.2	47.0	88.0
320 Degs.	162.4M	3.499	5.439	1.000	31.1	46.9	87.9
330 Degs.	164.1M	3.499	5.439	1.000	31.3	47.1	88.1
340 Degs.	166.3M	3.499	5.439	1.000	31.5	47.4	88.4
350 Degs.	157.8M	3.499	5.439	1.000	30.7	46.3	87.3

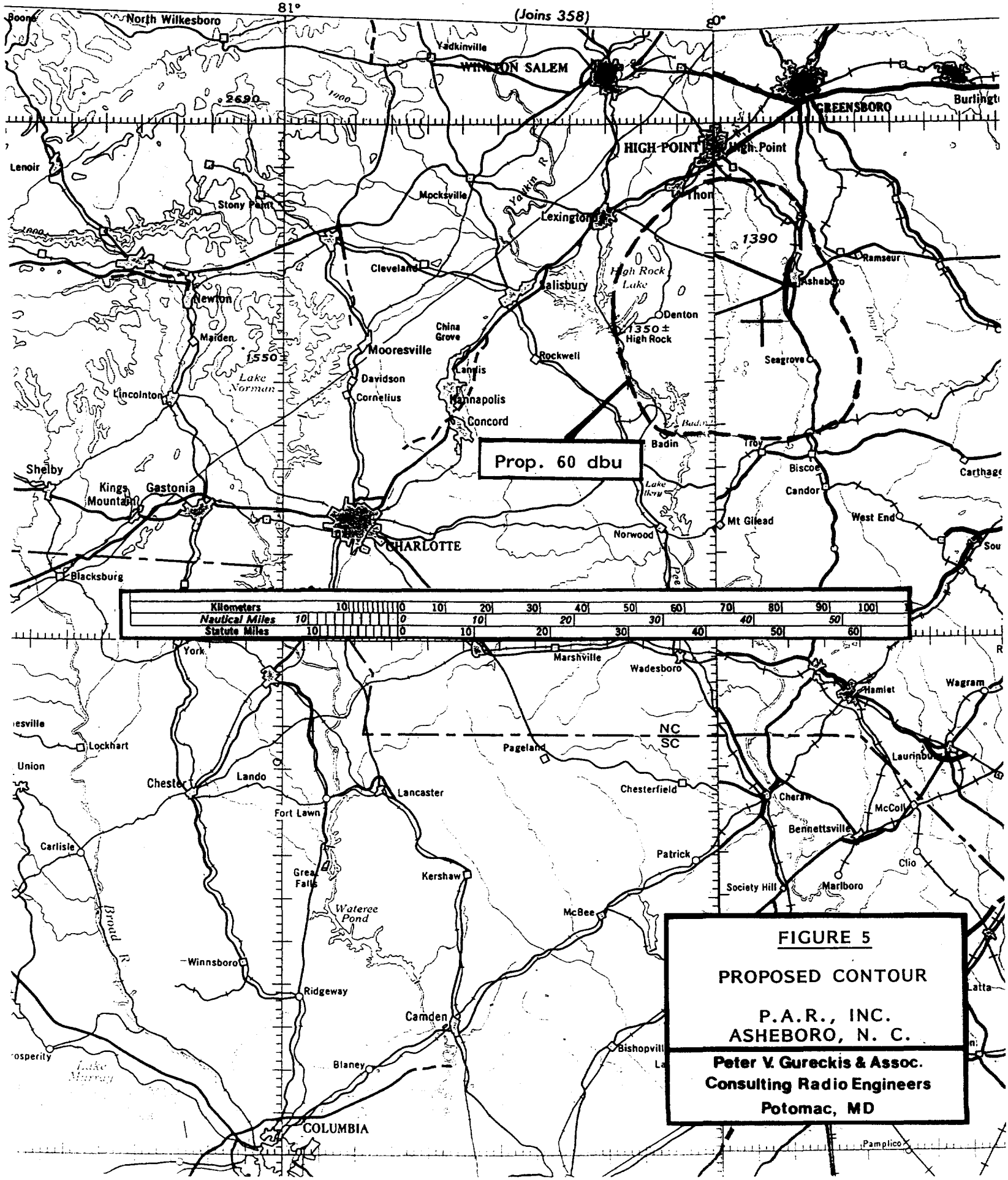


FIGURE 5

PROPOSED CONTOUR

P.A.R., INC.
ASHEBORO, N. C.

Peter V. Gureckis & Assoc.
Consulting Radio Engineers
Potomac, MD

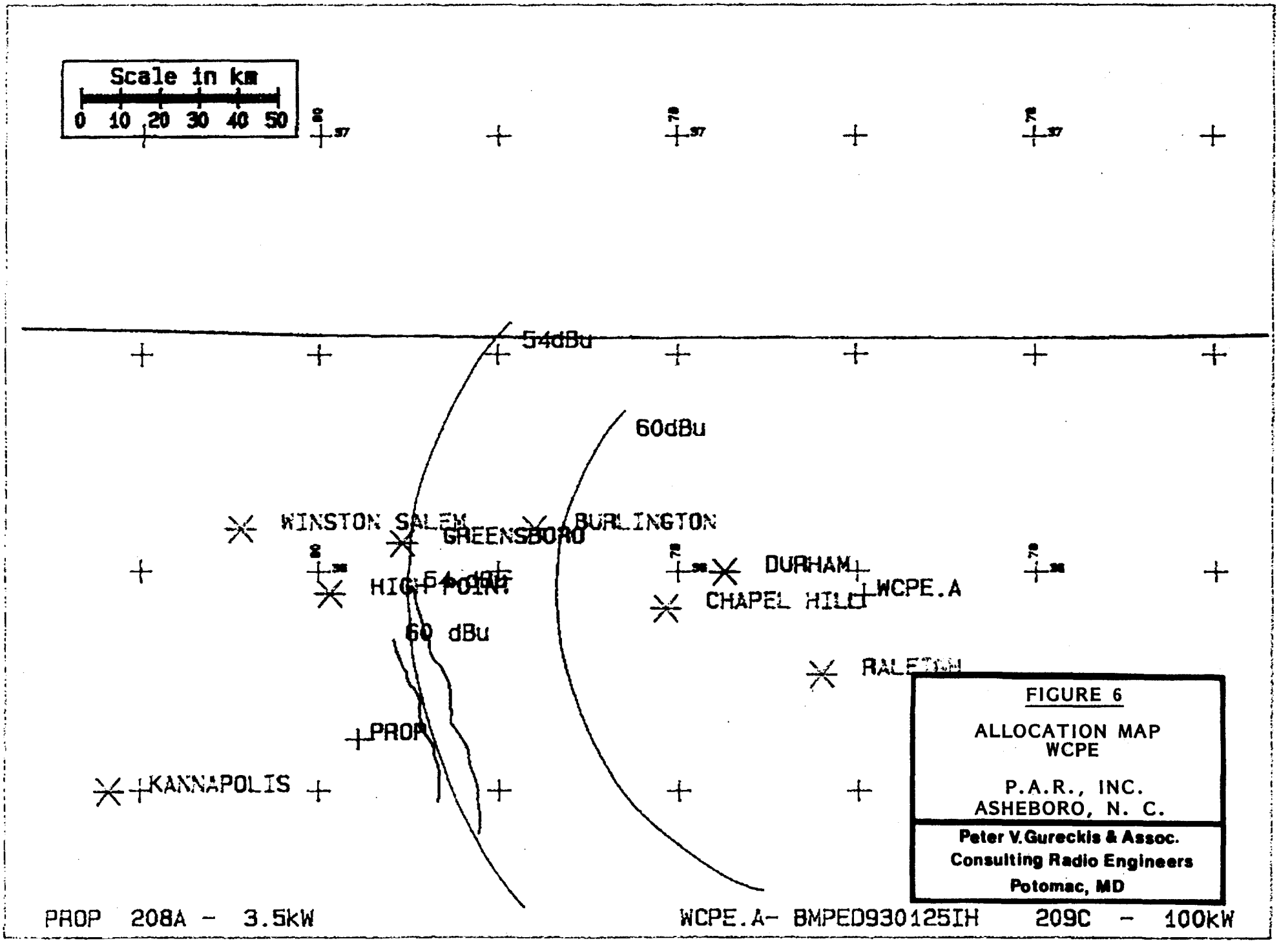
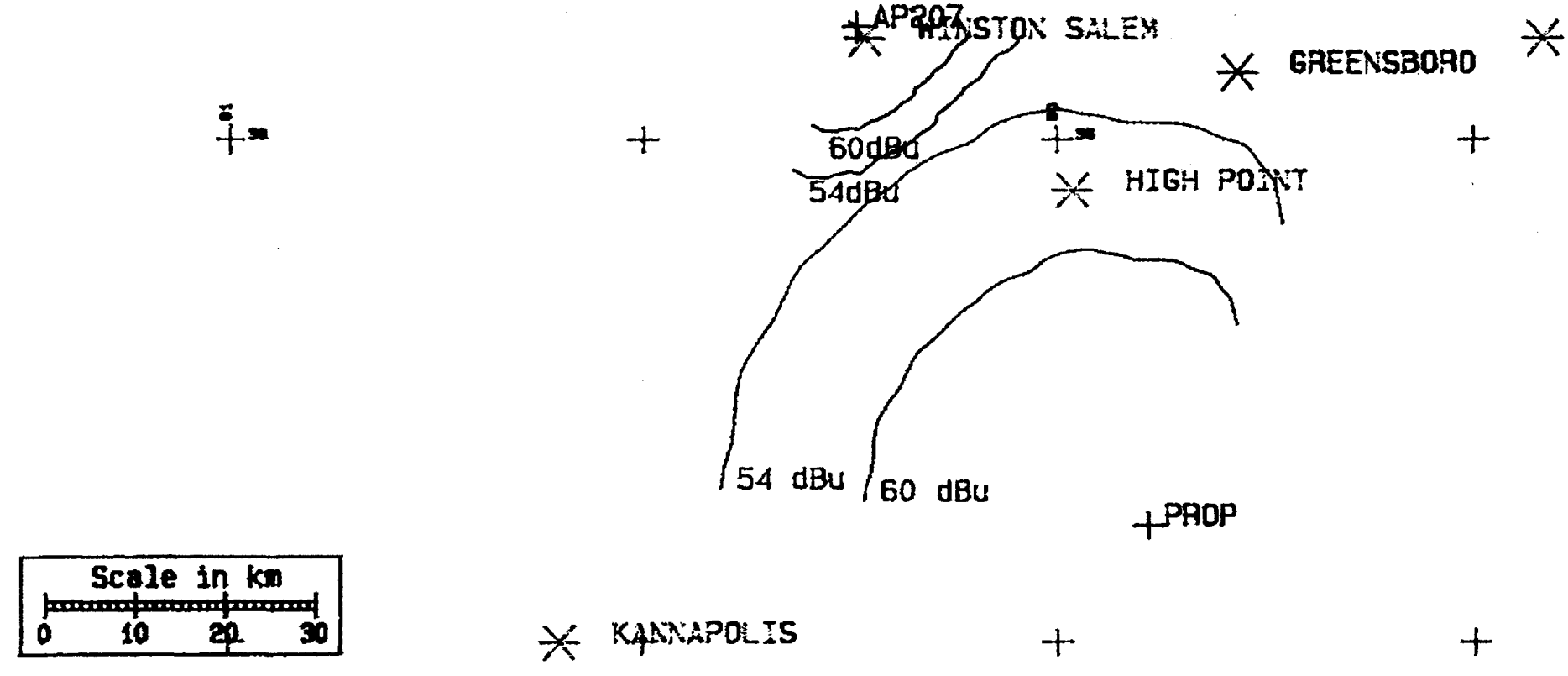

Scale in km
0 10 20 30 40 50
54dBu
60dBu
WINSTON SALEM
GREENSBORO
BURLINGTON
HIGH POINT
54 dBu
60 dBu
DURHAM
CHAPEL HILL
WCPE.A
RALEIGH
PROP
KANNAPOLIS
FIGURE 6
ALLOCATION MAP
WCPE
P.A.R., INC.
ASHEBORO, N. C.
Peter V.Gureckis & Assoc.
Consulting Radio Engineers
Potomac, MD
PROP 208A - 3.5kW
WCPE.A- BMPED930125IH 209C - 100kW

FIGURE 7

ALLOCATION MAP
TO WINSTON-SALEM

P.A.R., INC.
ASHEBORO, N. C.

Peter V. Gureckis & Assoc.
Consulting Radio Engineers
Potomac, MD



PROP 208A - 3.5kW

AP207 - BPED910227MD 207C3 - 6.9kW

FIGURE 8

POSITIVE ALTERNATIVE RADIO, INC.
ASHEBORO, NORTH CAROLINA

COMPUTER INTERFERENCE STUDY TO STATION WCPE

PROP
Channel= 208
Max ERP = 3.5 kW
RCAMSL = 333 M
N. Lat = 353655
W. Lng = 795328

WCPE.A- BMPED930125IH
Channel = 209
Max ERP = 100 kW
RCAMSL = 463 M
N. Lat = 355625
W. Lng = 782845

Protected
60 dBu

Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
20.0	3.499	112.7	26.5	264.6	100.000	371.5	119.0	53.0
21.0	3.393	108.9	25.9	264.3	100.000	371.5	118.8	53.0
22.0	3.288	104.4	25.2	263.9	100.000	371.5	118.7	53.0
23.0	3.186	100.5	24.6	263.5	100.000	371.5	118.6	53.1
24.0	3.084	97.9	24.1	263.2	100.000	371.5	118.5	53.1
25.0	2.985	96.5	23.8	263.0	100.000	371.5	118.3	53.1
26.0	2.887	95.2	23.5	262.7	100.000	371.5	118.2	53.2
27.0	2.791	93.4	23.1	262.4	100.000	371.5	118.1	53.2
28.0	2.696	91.7	22.7	262.2	100.000	371.4	118.0	53.2
29.0	2.603	90.3	22.3	261.9	100.000	371.3	117.9	53.2
30.0	2.512	89.1	22.0	261.7	100.000	371.3	117.8	53.3
31.0	2.410	88.2	21.7	261.4	100.000	371.2	117.7	53.3
32.0	2.309	87.7	21.4	261.2	100.000	371.1	117.6	53.3
33.0	2.211	88.2	21.2	261.0	100.000	371.0	117.4	53.3
34.0	2.116	89.3	21.1	260.9	100.000	371.0	117.2	53.4
35.0	2.022	90.0	21.0	260.7	100.000	370.9	117.0	53.4
36.0	1.930	89.8	20.7	260.5	100.000	370.8	117.0	53.5
37.0	1.841	88.7	20.4	260.3	100.000	370.7	117.0	53.4
38.0	1.753	87.2	19.9	260.0	100.000	370.6	117.1	53.4
39.0	1.668	86.5	19.6	259.8	100.000	370.5	117.1	53.4
40.0	1.585	86.7	19.4	259.6	100.000	370.4	117.0	53.4
41.0	1.520	87.3	19.2	259.4	100.000	370.4	116.9	53.4
42.0	1.457	87.6	19.1	259.2	100.000	370.3	116.9	53.5
43.0	1.395	88.1	18.9	259.0	100.000	370.3	116.8	53.5
44.0	1.335	89.4	18.9	258.9	100.000	370.3	116.7	53.5
45.0	1.276	91.5	18.9	258.8	100.000	370.3	116.5	53.6
46.0	1.218	94.1	18.9	258.6	100.000	370.2	116.2	53.6
47.0	1.161	96.5	19.0	258.5	100.000	370.2	116.0	53.7
48.0	1.106	98.3	18.9	258.4	100.000	370.2	115.9	53.7
49.0	1.052	99.8	18.8	258.2	100.000	370.1	115.8	53.7
50.0	1.000	101.4	18.7	258.0	100.000	370.0	115.7	53.7
51.0	0.959	103.0	18.7	257.9	100.000	370.0	115.6	53.8
52.0	0.919	104.4	18.6	257.7	100.000	369.9	115.6	53.8
53.0	0.880	105.8	18.6	257.6	100.000	369.9	115.5	53.8
54.0	0.842	107.2	18.5	257.4	100.000	369.8	115.4	53.8
55.0	0.805	108.7	18.4	257.2	100.000	369.7	115.4	53.8
56.0	0.768	110.4	18.3	257.1	100.000	369.7	115.3	53.8
57.0	0.733	112.4	18.3	256.9	100.000	369.6	115.3	53.8
58.0	0.698	114.5	18.2	256.7	100.000	369.5	115.2	53.9
59.0	0.664	116.3	18.1	256.6	100.000	369.4	115.2	53.9
60.0	0.631	117.5	18.0	256.4	100.000	369.4	115.3	53.8
61.0	0.605	118.1	17.8	256.2	100.000	369.3	115.3	53.8
62.0	0.580	118.4	17.6	256.1	100.000	369.3	115.4	53.8
63.0	0.555	118.8	17.4	255.9	100.000	369.2	115.5	53.8
64.0	0.531	119.6	17.3	255.7	100.000	369.2	115.6	53.7
65.0	0.508	120.7	17.2	255.6	100.000	369.2	115.7	53.7